

Contents

Editor's Introduction xix

Authors' Preface xxi

1. Teaching in Transition 1

Trends in the Media of Communication. The Changing School Population. Changing Curricula—New Tools of Teaching and Learning.

2. How People Learn 21

Perception—Foundation of Learning. Perception—Basis of Thinking. Perception—Basis of Attitude Formation. The Interrelated Processes in Learning. Overcoming Some Barriers in Teaching.

3. The Chalkboard 47

An Essential Tool of Instruction. Techniques for Using the Chalkboard. The Magnetic Chalkboard. The Use of Colored Chalk. The Role of the Chalkboard in Instruction. Evaluation.

4. Flat Pictures 71

Flat Pictures—A Universal Language. Communication Characteristics of Flat Pictures. Some Criteria for Selection.

V

CONTENTS



Mounting and Storing Pictures. Principles of the Effective Use of Flat Pictures. Techniques of Using Flat Pictures.

5. Graphics

107

Categories of Graphic Materials. Charts. Diagrams. Graphs. Posters. Cartoons. Comics.

6. The Study Display

149

Definition of the Study Display. Function of the Study Display. Locating and Equipping Study Display Areas. Pupil and Teacher Responsibility for Study Displays. Study Displays That Teach. Specialized Study Display Devices. Evaluating the Study Display.

7. Globes and Wall Maps

173

Characteristics of Globes and Maps. Globes. Wall Maps. Effective Use of Globes and Maps.

8. Three-Dimensional Teaching Materials

209

The Physical Senses in Learning. Characteristics of Effective Models. Three-Dimensional Materials Other Than Models. Using Three-Dimensional Materials in Teaching.

9. Community Study

243

Meaning and Scope of Community Study. Planning Classroom Community Experience. Planning Out-of-School Community Study. Locating Useful Community Study Situations. Teacher Leadership in Community Study. Evaluating



Community Study. Community Study Li-
ability.

10. Audio-Learning Experiences 271

The Scope of Audio Experiences. Edu-
cational Radio. Recorded Audio Expe-
riences. Selecting and Using Audio
Learning Experiences. Selecting Audio
Equipment. Evaluating Audio Learning
Experiences.

11. The Tape Recorder 303

Classroom Recorders. Using the Tape Re-
corder in Instruction. Selecting and Op-
erating the Tape Recorder.

12. Still Projection 323

Filmstrips. Filmstrip and 2" x 2" Slide
Projectors. Using Filmstrips and Slides
Effectively. Transparent Slides. Other
Types of Still Projection.

13. The 16 mm. Sound Motion-Picture Film 361

Physical Description. The Sound Motion-
Picture Projector. The Sound Motion-
Picture Film in Instruction. Classification
of 16 mm. Sound Motion-Picture Films.
Value of 16 mm. Sound Films. Selection
of Films. Effective Use of the Teaching
Film.

14. Television in Education 429

Television—An Audio-Visual Synthesis.
How Television Works. Television as a
Means of Instruction. Classroom Use of
Television, Kinescopes, and Telefilms.



15. Case Examples of the Use of Audio-Visual Materials 453

Identifying Learning Goals. Selecting Suitable Teaching Materials. Case Examples.

16. Local School Administration and Audio-Visual Materials 507

Some Principles of Administration. Practices in the Administration of Audio-Visual Materials. Some Persistent Challenges to Audio-Visual Administration.

Appendix Source Lists 541

Chalkboards; Chalkboard Supplies. Classroom Light-Control Equipment. Display Materials. Filmstrips, Slides, Transparencies. Maps and Globes. Motion-Picture Films (16 mm.). Pictures and Graphics. Projectors. Radio Receivers, AM-FM. Record and Transcription Players. Recordings and Transcriptions. Tape Materials and Equipment.

Index 559

